What Is Claimed Is:

1   1.   An apparatus that provides a unified telephony solution,

2   comprising:

3   an application server configured to provide telephony services;

4   a voice extensible markup language (VXML) browser configured to access

5   telephony services through the application server;

6   a telephony controller configured to access telephony services through the

7   VXML browser; and

8   a telephony gateway that provides an interface to a public switched

9   telephone network (PSTN).

1   2.   The apparatus of claim 1, wherein the telephony controller includes

2   a SIP framework with a SIP servlet container, wherein the SIP servlet container

3   includes a plurality of SIP servlets for interfacing with a SIP network.

1   3.   The apparatus of claim 2, wherein a new telephony service can be

2   added by including a new SIP servlet in the SIP servlet container.

1   4.   The apparatus of claim 2, wherein the plurality of SIP servlets are

2   registered with a remote method invocation (RMI) registry.

1   5.   The apparatus of claim 2, wherein the telephony services provide at

2   least two of:

3   a telephone system;

4   a call center;

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5   an interactive voice response (IVR) system; and

6   a voicemail system.

1   6.   The apparatus of claim 2, wherein the apparatus operates using a

2   Voice Over Internet Protocol (VOIP).

1   7.   The apparatus of claim 2, wherein the application server is coupled

2   to a database that provides access to the plurality of SIP servlets.

1   8.   A method that provides a unified telephony solution, comprising:

2   receiving a request for a telephony service at a telephony controller; and

3   in response to the request, accessing a telephony service provided by an

4   application server;

5   wherein the application server is accessed through a voice extensible

6   markup language (VXML) browser;

7   wherein performing the telephony service involves interfacing to a public

8   switched telephone network (PSTN) through a telephony gateway.

1   9.   The method of claim 8, wherein the telephony controller includes a

2   SIP framework with a SIP servlet container, wherein the SIP servlet container

3   includes a plurality of SIP servlets for interfacing with a SIP network.

1   10.   The method of claim 9, wherein a new telephony service can be

2   added by including a new SIP servlet in the SIP servlet container.

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1   11.   The method of claim 9, wherein the plurality of SIP servlets are

2 registered with a remote method invocation (RMI) registry.

1   12.   The method of claim 9, wherein the telephony services provide at

2 least two of:

3   a telephone system;

4   a call center;

5   an interactive voice response (IVR) system; and

6   a voicemail system.

1   13.   The method of claim 9, wherein the telephony services operate

2 using the Voice Over Internet Protocol (VOIP).

1   14.   The method of claim 9, wherein the application server is coupled

2 to a database that provides access to the plurality of SIP servlets.

1   15.   A computer-readable storage medium storing instructions that

2 when executed by a computer cause the computer to perform a method that

3 provides a unified telephony solution, the method comprising:

4   receiving a request for a telephony service at a telephony controller; and

5   in response to the request, accessing a telephony service provided by an

6 application server through a voice extensible markup language (VXML) browser;

7   wherein the telephony service involves interfacing to a public switched

8 telephone network (PSTN) through a telephony gateway.

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1   16.   The computer-readable storage medium of claim 15, wherein the

2   telephony controller includes a SIP framework with a SIP servlet container,

3   wherein the SIP servlet container includes a plurality of SIP servlets for

4   interfacing with a SIP network.

1   17.   The computer-readable storage medium of claim 16, wherein a

2   new telephony service can be added by including a new SIP servlet in the SIP

3   servlet container..

1   18.   The computer-readable storage medium of claim 16, wherein the

2   plurality of SIP servlets are registered with a remote method invocation (RMI)

3   registry.

1   19.   The computer-readable storage medium of claim 16, wherein the

2   telephony services provide at least two of:

3   a telephone system;

4   a call center;

5   an interactive voice response (IVR) system; and

6   a voicemail system.

1   20.   The computer-readable storage medium of claim 16, wherein the

2   telephony services operate using the Voice Over Internet Protocol (VOIP).

1   21.   The computer-readable storage medium of claim 16, wherein the

2   application server is coupled to a database that provides access to the plurality of

3   SIP servlets.